

Figure 1

INVENTOR

Lohn o Foster

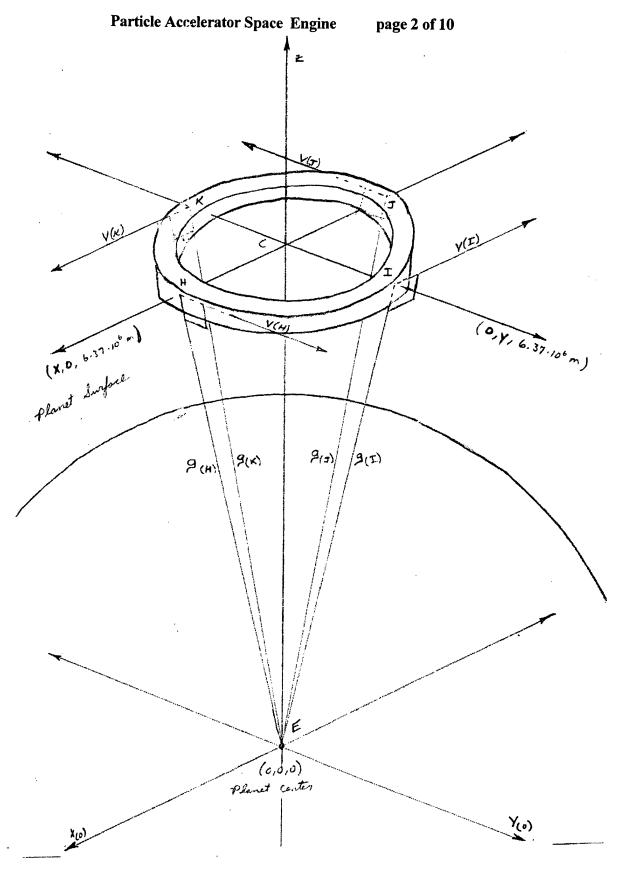


Figure 2

INVENTOR Lohn o Fortes

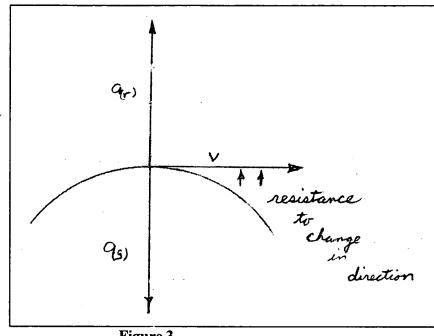


Figure 3

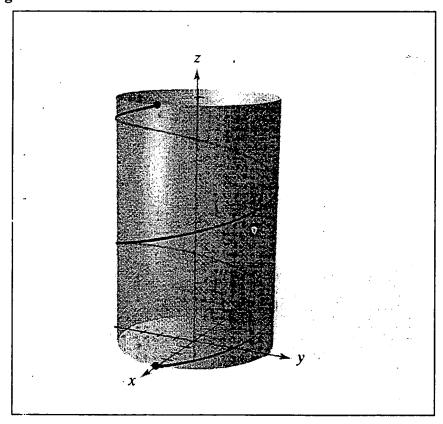
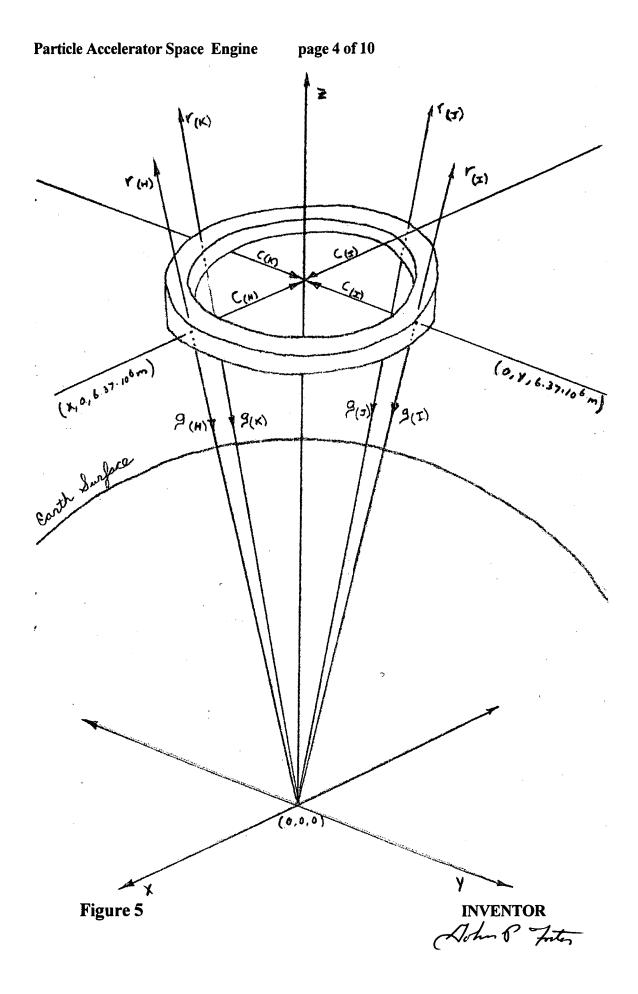


Figure 4

Inventor John & Foto



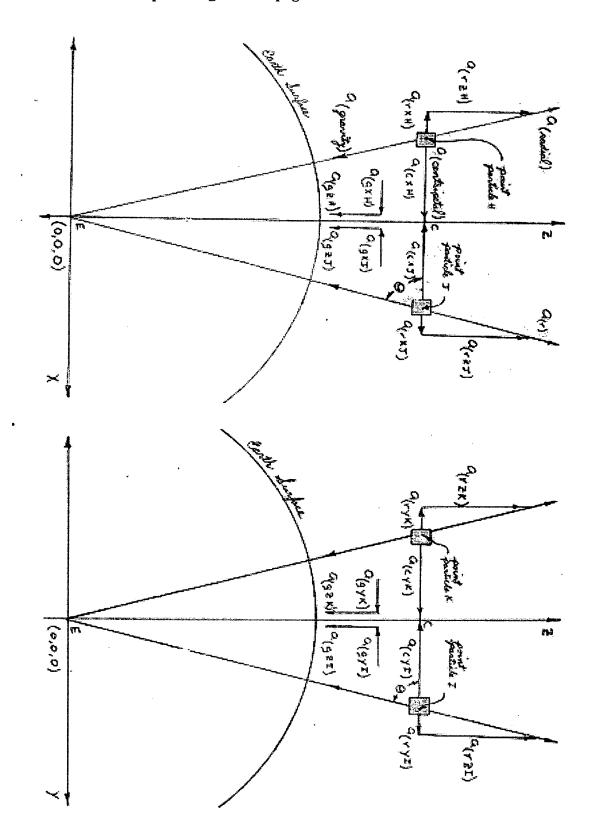


Figure 6

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F_{(H)} = \frac{1}{4}m \times a_{(H)} = \frac{1}{4}m \times \left[ a_{(rxH)} i + a_{(rzH)} k + a_{(cxH)} i + a_{(czH)} k + a_{(gxH)} i + a_{(gzH)} k \right]
F_{(J)} = \frac{1}{4}m \times a_{(J)} = \frac{1}{4}m \times \left[ a_{(rxJ)} i + a_{(rzJ)} k + a_{(cxJ)} i + a_{(gzJ)} k \right]
F_{(C)} = F_{(H)} + F_{(J)} + F_{(I)} + F_{(K)}
                                                                                                                                                                                                                                                                                                          On the y,z plane
                                                                               On the x,z plane
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$$\begin{split} F_{(I)} &= 1/4m \ x \ a_{(I)} \ = 1/4m \ x \ [a_{(ryI)} \ j \ + \ a_{(rzI)} \ k \ + \ a_{(cyI)} \ j \ + \ a_{(czI)} \ k \ + \ a_{(gyI)} \ j \ + \ a_{(gzK)} \ k] \ k] \\ F_{(K)} &= 1/4m \ x \ [a_{(ryK)} \ j \ + \ a_{(rzK)} \ k \ + \ a_{(czK)} \ j \ + \ a_{(gzK)} \ j \ + \ a_{(gzK)} \ j] \ k] \end{split}$$

Expand the equations and sum, such that component parts equal radial acceleration  $= v^2/r_{\text{earth+alt}} x$  (ratio of sides)

Centripetal acceleration =  $v^2/r_{ring}$  x (ratio of sides) Gravity acceleration =  $(a_g)$  x (ratio of sides) 
$$\begin{split} F_{(H)} &= {}^{1}\!\!/ m \left[ v^2/_{EH} (CH/EH) i + v^2/_{EH} (EC/EH) k + v^2/_{CH} (HC/HC) i + 0 k + (a_g)_{HE} (HC/HE) i + (a_g)_{HE} (CE/HE) k \right] \\ F_{(J)} &= {}^{1}\!\!/ m \left[ v^2/_{EJ} (CJ/EJ) i + v^2/_{EJ} (EC/EJ) k + v^2/_{CJ} (JC/CJ) i + 0 k + (a_g)_{JE} (JC/JE) i + (a_g)_{JE} (CE/JE) k \right] \\ F_{(H)} &= {}^{1}\!\!/ m \left[ v^2/_{EI} (CJ/EJ) j + v^2/_{EJ} (EC/EJ) k + v^2/_{CJ} (IC/CJ) j + 0 k + (a_g)_{JE} (IC/JE) j + (a_g)_{JE} (CE/JE) k \right] \\ F_{(K)} &= {}^{1}\!\!/ m \left[ v^2/_{EK} (CK/EK) j + v^2/_{EK} (EC/EK) k + v^2/_{CK} (KC/KC) j + 0 k + (a_g)_{KE} (KC/KE) j + (a_g)_{KE} (CK/KE) k \right] \end{split}$$

 $F_{(C)} = \frac{1}{4} m \{ [0i+0j] + 4 [v^2/(r_{planet} + alt) (EC/(r_{planet} + alt) k] + [0i+0j] + 0 k + [0i+0j] + [4 (a_g) CE/(r_{planet} + alt) k] \}$  $F_{(C)} = m[v^2/(r_{planet} + alt) + a_g] (EC/(r_{planet} + alt) k = m_{particle stream} a_{(z)} = VERTICAL THRUST$  $a_{(z)} = [v^2/(r_{planet} + alt) + a_g] k \times sin(\theta)$ 

where  $\sin(\theta) = \text{opp/hyp} = [(r_{\text{doughnut center}})/(r_{\text{point particle}}) \approx \sin(90^{\circ}) \approx 1$ Therefore;  $a_{(z)} \approx v^2/r + a_g$ 

Figure 7

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## Theoretic example, Thrust by Gyroscopic Lift with a Particle Accelerator:

50 milligrams of ionized particles, continuously traveling along a circular path at 60% velocity of light should provide 2.54. x 10<sup>5</sup> Newtons of upward thrust.

m measured in Kg 
$$\begin{split} F_{\text{particles}} &= m_{\text{particles}} \, X \, a_z \; , \\ \overline{r} &= m \cdot \left[ v^2 / (r_{\text{planet}} + alt) \, + g \right] \end{split}$$

 $F = 50 \times 10^{-6} \times [(2.998 \times 10^8 \times .60)^2 / (6.371 \times 10^6) - 9.821] = 253,938 \text{ N}$ 

## Figure 8

## Theoretic example, Vertical Acceleration of Ship with Particle Accelerators

$$\begin{split} F_{particles} + F_{gravity} &= F_{ship} \; , \\ F_{particles} + F_{gravity} &= m_{ship} \; x \; \; a_{ship} \end{split}$$

 $F_{particles} + (m_{ship} x g) = m_{ship} x a_{ship}$ 

 $[F_{\text{particles}} + (m_{\text{ship}} \times g)] / m_{\text{ship}} = a_{\text{ship}}$   $[(2 \times 2.54 \times 10^5) + (40 \times 10^3 \times -9.821)] / (40 \times 10^3) = 2.879 \text{ m/s}^2$ 

 $2.879 \text{ m/s}^2 / 9.821 \text{ m/s}^2 = .2931 \text{ g/s}$ 

Figure 9

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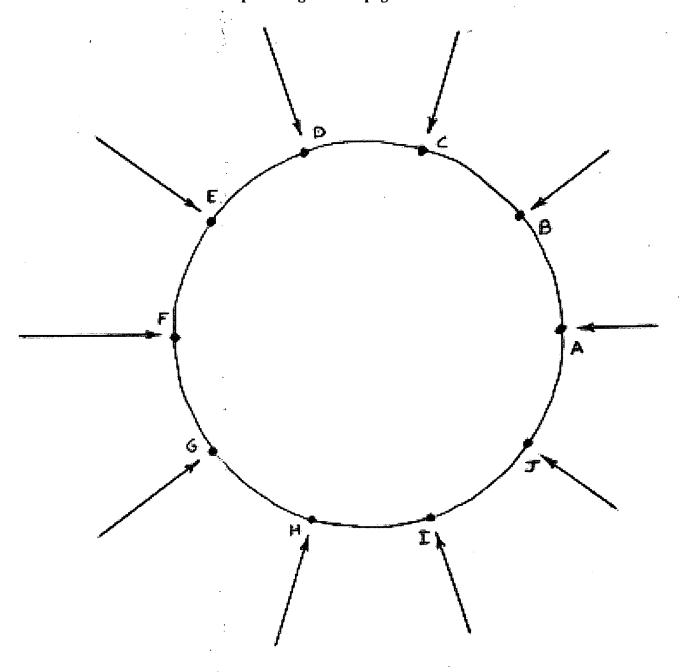


Figure 10

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Nohn & Thaten

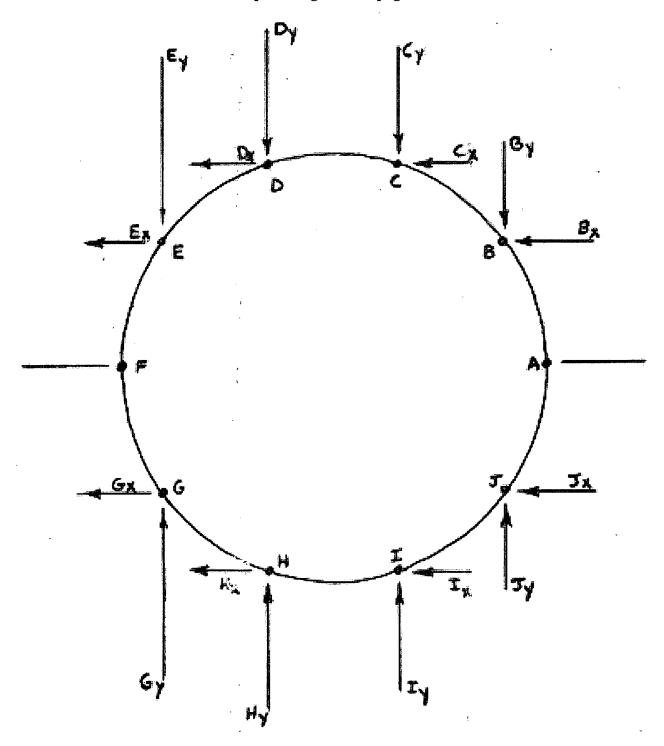


Figure 11

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Nohno Froter

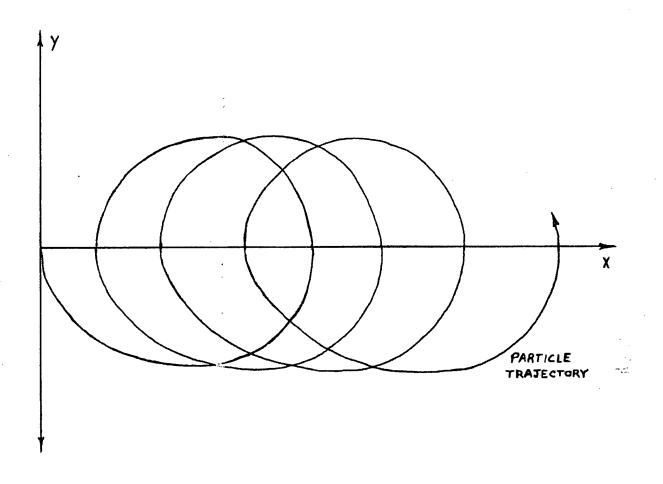


Figure 12

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